

**§ 172.306 [Reserved]**

**§ 172.308 Authorized abbreviations.**

(a) Abbreviations may not be used in a proper shipping name marking except as authorized in this section.

(b) The abbreviation “ORM” may be used in place of the words “Other Regulated Material.”

(c) Abbreviations which appear as authorized descriptions in Column 2 of the §172.101 Table (e.g., “TNT” and “PCB”) are authorized.

[Amdt. 172–123, 55 FR 52591, Dec. 21, 1990, as amended by Amdt. 172–145, 60 FR 49110, Sept. 21, 1995]

**§ 172.310 Class 7 (radioactive) materials.**

In addition to any other markings required by this subpart, each package containing Class 7 (radioactive) materials must be marked as follows:

(a) Each package with a gross mass greater than 50 kilograms (110 pounds) must have the its gross mass marked on the outside of the package.

(b) Each packaging must be marked on the outside of the package, in letters at least 13 mm (0.5 inch) high, with the words “TYPE A” or “TYPE B” as appropriate. A packaging which does not conform to Type A or Type B requirements may not be so marked.

(c) Each Type B, Type B(U) or Type B(M) packaging must be marked on the outside of the package with a radiation symbol that conforms to the requirements of Appendix B to Part 172.

(d) Each package destined for export shipment must also be marked “USA” in conjunction with the specification marking, or other package certificate identification. (See §§173.471, 173.472, and 173.473 of this subchapter).

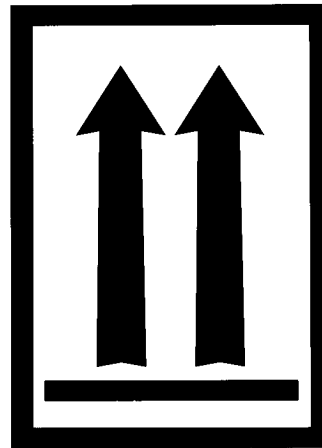
[Amdt 172–143, 60 FR 50304, Sept. 28, 1995, as amended by 172–143, 61 FR 20749, May 8, 1996]

**§ 172.312 Liquid hazardous materials in non-bulk packagings.**

(a) Except as provided in this section, each non-bulk combination package having inner packagings containing liquid hazardous materials must be:

- (1) Packed with closures upward, and
- (2) Legibly marked, with package orientation markings that conform pictorially to ISO Standard 780–1985, on two opposite vertical sides of the pack-

age with the arrows pointing in the correct upright direction. Depicting a rectangular border around the arrows is optional.



**Package orientation**

(b) Arrows for purposes other than indicating proper package orientation may not be displayed on a package containing a liquid hazardous material.

(c) The requirements of paragraph (a) of this section do not apply to—

(1) A non-bulk package with inner packagings which are cylinders.

(2) Except when offered or intended for transportation by aircraft, packages containing flammable liquids in inner packagings of one liter or less prepared in accordance with §173.150 (b) or (c) of this subchapter.

(3) When offered or intended for transportation by aircraft, packages containing flammable liquids in inner packagings of 120 ml (4 fluid oz.) or less prepared in accordance with §173.150 (b) or (c) of this subchapter when packed with sufficient absorption material between the inner and outer packagings to completely absorb the liquid contents.

(4) Liquids contained in manufactured articles (e.g., alcohol or mercury in thermometers) which are leak-tight in all orientations.

(5) A non-bulk package with hermetically-sealed inner packagings.

[Amdt. 172–123, 55 FR 52591, Dec. 21, 1990, as amended at 56 FR 66254, Dec. 20, 1991; 57 FR 45458, Oct. 1, 1992]